Ancy Philip

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EXPERIENCE

Software Development Intern **Groupon, Ranking and Relevance team** 2017

Designed and implemented an improved location model for deals recommendation with spatial clustering and time recency components ; Increased coverage by 37%. *(Scala, Spark, Python)*

Summer Analyst **Goldman Sachs, Data Science Team** 2015

Time Series Analysis of storage capacity utilisation based on historical burn rates *(R,SQL)*
Achieved accuracy of 95% in predictions of quota breaches. Commended in Global Heads Presentation.

Summer Intern **Intelligent Transport Labs**, Indian Institute of Technology, Madras 2014

Implemented spatial data structures to store geographical information for suggesting the best bus route for a required source-destination pair. Compared their efficiency, storage/insertion cost. Used APSP to return shortest route. *(C++)*

EDUCATION

University of Wisconsin Madison USA	Masters In Computer Science	**Aug 2016 - Present** GPA: 3.8
College of Engineering, Guindy, Anna University, India	Bachelors In Computer Science	**July 2012 - May 2016** G.P.A. 9.5 (4th place in 250 students)

TECHNOLOGIES

- C,C++, Python, Java, R, Scala, Spark, HTML, CSS, MYSQL, Matlab
- **Interest:** Algorithms, Data Structures, Databases**,** Data science, Big data

PROJECTS

- **Unified Cloud Storage Service:** A cumulative storage service with sharding and replication. Built a single framework to access different storage services -Google Drive, Dropbox, Onedrive. *(Python)* 2017
- **Entity Matching:** Developed EM model for information extraction from massive data sets. Given a pair of movies from Rotten Tomatoes and IMDB, the model predicted a match with 95% accuracy. *(Python)* 2017
- **Indoor honking in smart cars.** Cash prize of 10k , Gold medal.Best Undergraduate Student Project 2016
  Designed a system which addresses the elimination of noise pollution, accidents using indoor honking in smart cars with V2V Wireless Ad Hoc Networks. PoC - cars fitted with Ultrasonic sensors, GPS, Zigbee.
- **Forecasting vegetable prices.** Performed comparative study of various approaches for forecasting vegetable prices to help farmers grow right crop. Average RMSE: 4.13 *(Python)* 2015
- **Twitter recommender systems** Commended for best project in class of 72. *(Python)* 2015
  Recommendation based on temporal level of interest with recommenders selected based on topological relations.

RESEARCH

- Poster Presenter at **CRA-W Grad Cohort - 2017** 2017
- Speaker at the '**Grace Hopper Conference -2016'** on **"Indoor honking in Smart cars".** 2016
- Finalist in the ARM Design Contest, **International Conference on Advanced Computing and Communications** 2015 (460 odd participants). 2015
- Poster presenter - "Save Distance, Save Time" at the '**Grace Hopper Conference -2014'.** 2014

HONORS

- CRA-W Grad Cohort 2017 Scholar, Systers Travel Grant for **Google** IO 2017, Grace Hopper Celebration India Scholar-2015, Central Sector Scholar 2015. **Alan Mulally Leadership in Engineering Scholar 2015**
- Award from **Microsoft Research, ACM** for winning the second place in the **ACM Student Research Competition** at **GHC'16.** TCS Best student project award 2016. Innovative Project award 2016**.**
- Department topper in 2nd , 8th semester among 220 students. **State topper** in 12th grade Tamilnadu Public exam among 7 hundred thousand students (99%). School Third, Public Exam 2010

ADDITIONAL EXPERIENCE

- **President** at **ACM- Women,** University of Wisconsin-Madison 2017
- **Graduate Teaching Assistant,** University of Wisconsin Madison - Java, C. 2016-17
- **Speaker** at Chicago- PyLadies Meetup on Magellan, EM tool. 2017
- Organizer of Spring **hackathon** at UWM, partnering **W-ACM** and **Madhacks.** 2017
- Organizer of CODher**,** A women only **hackathon** organized by ACM-CEG 2016
- **Lady Secretary** @ CSEA (Computer Science Engineer's Association) 2014